



2008 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

Display Report

PROJECT BACKGROUND INFORMATION

Project Title:	Invasive Species Management at Palmyra Atoll NWR	
Region: Use region number ONLY	1	
Station:	Palmyra Atoll National Wildlife Refuge	
Contact Person: Name and Phone Number	Don Palawski, 808-792-9560	
Project Description: (Up to 250 words)	We initiated management of 3 species of plants that are introduced and invasive at Palmyra Atoll NWR. The work consisted of describing the distributions of these plants, writing a treatment plan for each, purchasing and transporting equipment and herbicides, and conducting trials to evaluated the efficacy of the proposed methods.	
List of Invasives Species Targeted:	Common Name	Scientific Name
	coconut palm	<i>Cocos nucifera</i>
	taro vine	<i>Epipremnum pinnatum</i>
	haole koa	<i>Leucaena leucocephala</i>
Project Status:	InProgress	
Project Completion Date or Estimated Completion Date: (mm/dd/yyyy)		

VOLUNTEER INFORMATION

Volunteer Affiliation: (Check all that apply)	VA_Other
Volunteer Involvement: Describe the type of work the volunteers performed. (Up to 150 words)	Volunteers and Refuge staff worked together to execute tests of the susceptibility of coconut to glyphosate injection.
Total Number of Volunteers:	6

Total Number of Volunteer Hours:	210 person hours
Partnerships: List both new and existing partnerships utilized in this project. (Up to 150 words).	Refuge staff worked with resource managers from The Nature Conservancy (TNC) who also manage natural resources on one of the islands at the atoll. We also received assistance from scientists of the USGS.

PROJECT RESULTS

Project Results: Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words).	The project is still underway but distributions of the 3 species of primary concern were identified. Trials with glyphosate for killing coconuts revealed that applying herbicide to drilled holes was the most effective method killing a higher proportion of trees than applying full strength glyphosate to machete cuts on the palms
Number of Acres Treated:	1
Number of Acres Inventoried and/or Mapped:	680
Number of Acres Restored:	1

BUDGET INFORMATION

Budget: Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

Total Grant Amount:	\$ \$10,000
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Breakdown of Expenditures:

Category	Total \$ Spent	% of Total Grant
Equipment / Supplies	\$1000	10%
Chemical	\$2500	25%
Biocontrol Agents	\$4000	40%
Travel	\$2500	25%
Volunteer Stipends	\$10000	100%
Volunteer Coordinator Salary/Contract		
Restoration Materials		
Other		
TOTAL		

Recommendations: (OPTIONAL) How useful was this program for meeting refuge invasive species objectives and how can it be improved?	This program was invaluable for allowing us to take advantage of the opportunity to use volunteers whenever they were available at Palmyra because we had the materials on hand to use their assistance.
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